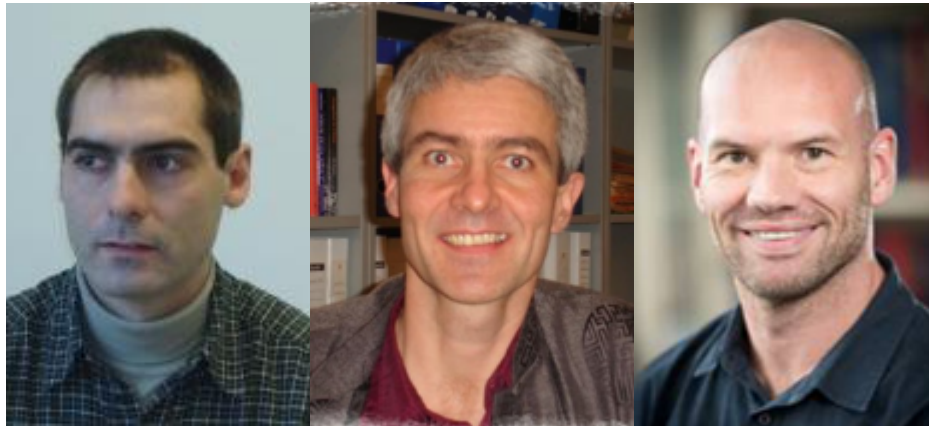


**So Much Larger than Mouse –
Clinical Research from the Larger Animal Perspective**
12th and 13th May, 2016



Dr Thomas Thymann
Copenhagen

Prof Per Sangild
Copenhagen

Assoc Prof Tim Moss
Monash University

Murdoch University's School of Veterinary & Life Sciences, The School of Anatomy, Physiology and Human Biology at UWA and the NHMRC Centre of Research Excellence in Preterm Infants will co-host two, half-day workshops on May 12th and 13th focusing on clinical practice and research studies involving large animals.

The **aims** of these joint workshops are to:

- Highlight existing research groups and projects relevant to translational research in larger animals
- Further knowledge of animals as models for human disease, as well as potential translation of developments in human research for clinical veterinary practice
- Discuss current strengths, weaknesses and opportunities for larger animal research in WA
- Develop a strategic plan to enable greater larger animal research capacity in WA in synergy with the WAHTN

May 12th, Large Animal Facility, UWA

Proposed Research themes:

Respiratory, Neurodevelopment, Gastrointestinal, Transplantation

May 13th Vet Surgical Facility/College, MU

Proposed Research themes:

Reproduction, Fetal development, Nutrition and Newborn survival,
Surgery, Infection and Immunity, Cancer

There is NO COST to attend these workshops, but we request that you register (for catering purposes) by email: diane.arnott@uwa.edu.au Please indicate which day(s) you will attend.

(Program Overleaf)

Workshop Program

Thursday, May 12th

Large Animal Facility, UWA

12:00 - 1:10 pm **Registration, Light Lunch and Preclinical Intensive Care Research Unit/Large Animal Facility tour**

1:10 – 1:25 pm Walk to Anatomy, Physiology & Human Biology Seminar Room (Rm 1.81, APHB North Building, Hackett Entrance 2)

Anatomy, Physiology & Human Biology, UWA

1:25 – 1:30 pm Welcome – A/Prof Jane Pillow

1:30 - 2:00 pm **Keynote – Prof Per Sangild / Dr Thomas Thymann, *Fetal and preterm pigs as models in perinatology***

2:00 – 2:15pm **A/Prof Jane Pillow, *Intensive care in a research setting – highlights, lowlights, opportunities and aspirations***

2:15 – 2:30 pm **Dr Gabby Musk, *Anaesthesia for biomedical research and clinical veterinary practice – opportunities for refinement***

2:30 – 3:00 pm **Panel – challenges and opportunities**

3:00 – 3:30 pm Afternoon tea and posters

3:45 – 4:00 pm **Dr Peter Noble, *The physiology of the airway wall – what we can learn by studying different species***

4:00 – 4:15 pm **Dr Bulang He, *Development and application of laparoscopic kidney transplant: a safe transition from the laboratory to the clinic***

4:15 – 4:30 pm **A/Prof Kristen Nowak, *Studying a naturally occurring ovine model of skeletal muscle disease – implications for human disease***

4:30 – 5:00 pm **Panel – challenges and opportunities**

5:00 – 5:15 pm Close

Friday, May 13th

Harry Perkins Research Institute of Medical Research, Seminar room G39

12:00 - 12:30 pm Registration and light lunch

12:30 – 12:35 **Dr Andrew Currie, Welcome and Introduction**

12:35 – 1:05 pm **Keynote – Prof Per Sangild / Dr Thomas Thymann, *Gut and immunity challenges in newborn and weanling pigs***

1:05 – 1:20pm **Dr Ed Litton, *Iron Metabolism in Critical Illness - The Canine Connection***

1:20 – 1:35 pm **Dr Anthea Raisis/Dr Warren Pavey, *Heart transplant research***

1:35 – 1:45 pm **A/Prof Delia Nelson, *One researcher's experience in translating anti-cancer immunotherapy from mice to larger mammals with cancer***

1:45 – 2:30 pm Walk to Murdoch and tour of Murdoch Surgical Centre

Murdoch University Veterinary Biological Science Building, EC 3.106

2:30 – 2.50 pm **A/Prof Tim Moss, *Fetal surgical manipulation and instrumentation for understanding development and perinatal disease***

2:50 – 3:05 pm **A/Prof David Miller, *The ovine model – developmental, endocrine and metabolic insights***

3:05 – 3:20 pm **Prof John Pluske, *Key challenges around weaning in the pig***

3:20 – 3:40 pm Afternoon tea

3:40 – 3:55 pm **Dr Caroline Jacobson, *Sheep models for toxoplasmosis and vaccine development***

3:55 – 4:10 pm **A/Prof Anne Barnes, *Food, fermentation and a healthy gut***

4:10 – 4:25 pm **A/Prof Wayne Greene, *Global Gene Expression Profiling of Canine Lymphoma***

4:25 – 4:40 pm **Dr Patrick Sharp, *Animal Research from an international perspective***

4:40 – 5:15 pm **Panel – challenges and opportunities**

5:15 – 6:00 pm Drinks and Posters